

**DECLARATION
Utility Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **MINIATURE, LIQUID-FUELED COMBUSTION CHAMBER**, the specification of which

(Check One) ☒ is attached hereto OR
☐ was filed on _____ as United States Application Serial No. _____ or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date
60/296,629	June 6, 2001

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	FIRST Name William	MIDDLE Initial A.	LAST Name Sirignano	
	RESIDENCE & CITIZENSHIP	City Irvine	State or Foreign Country California	Country of Citizenship USA	
	POST OFFICE ADDRESS	3 Gibbs Court	City Irvine	State or Country California	Zip Code 92612
INVENTOR'S SIGNATURE			<i>William A. Sirignano</i>		DATE <i>4/30/02</i>

202	FULL NAME OF INVENTOR	FIRST Name Derek	MIDDLE Initial	LAST Name Dunn-Rankin	
	RESIDENCE & CITIZENSHIP	City Irvine	State or Foreign Country California	Country of Citizenship USA	
	POST OFFICE ADDRESS	2 Perkins Court	City Irvine	State or Country California	Zip Code 92612
INVENTOR'S SIGNATURE			<i>Derek Dunn-Rankin</i>		DATE <i>4/30/02</i>

203	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code
INVENTOR'S SIGNATURE			DATE		

204	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code
INVENTOR'S SIGNATURE			DATE		

**POWER OF ATTORNEY
By Assignee**

The Regents of the University of California, assignee(s) of the application for United States Letters Patent for an improvement in

MINIATURE, LIQUID-FUELED COMBUSTION CHAMBER

by William A. Sirignano and Derek Dunn-Rankin

the specification of which:

☒ is filed herewith, OR
☐ was filed on _____, having U.S. Patent Application Serial No. _____

does hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office, and in countries other than the United States, and to do all things necessary or appropriate therefor before any competent International Authorities in connection with any international patent application(s) corresponding to the above-identified application, all of the registered practitioners identified by Customer Number 22249:



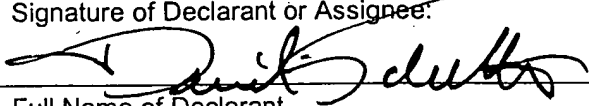
LYON & LYON LLP
Suite 4700
633 W. Fifth Street
Los Angeles, CA 90071
(213) 489-1600

Please send all inquiries to Kenneth S. Roberts, at the above Customer Number.

I, the undersigned, declare that I have reviewed copies of the documentary evidence establishing chain of title to the patent application identified above from the inventor(s) to the assignee(s), which:

☒ is filed for recordation herewith; or
☐ was recorded at Reel _____, Frame _____; or
☐ has been sent for recordation under separate cover, copy attached herewith.

To the best of the undersigned's knowledge and belief, title is in the assignee(s) identified above. Furthermore, the undersigned is empowered to sign this document on behalf of the assignee(s).

Full Name of Assignee: The Regents of the University of California	
Post Office Address: 1111 Franklin Street, 5th Floor, Oakland, California 94607	
Signature of Declarant or Assignee: 	Date: 5-1-02
Full Name of Declarant	
If Other Than Assignee: David G. Schetter	
Title of Declarant: Assistant Vice Chancellor, Research and Technology Alliance	
Address of Declarant: Office of Technology Alliances, 380 University Tower, Irvine, California 92697	



2011/5/6

JULY 17, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

LYON & LYON LLP
KENNETH S. ROBERTS
633 W. 5TH ST., STE. 4700
LOS ANGELES, CA 90071-2066



102093155A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/06/2002

REEL/FRAME: 012891/0839
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SIRIGNANO, WILLIAM A.

DOC DATE: 04/30/2002

ASSIGNOR:
DUNN-RANKIN, DEREK

DOC DATE: 04/30/2002

ASSIGNEE:
REGENTS OF THE UNIVERSITY OF
CALIFORNIA, THE
1111 FRANKLIN STREET, 12TH FLOOR
OAKLAND, CALIFORNIA 94607-5200

SERIAL NUMBER: 10140316
PATENT NUMBER:

FILING DATE: 05/06/2002
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECEIVED
JUL 24 2002
U.S. PROSECUTION

05-17-2002

Docket No. **271/096**

To the Honorable Commissioner of Patent

102093155

... original documents or copy thereof.

1. Name of conveying party(ies):

William A. Sirignano and Derek Dunn-Rankin

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: April 30, 2002

2. Name and address of receiving party:

Name: The Regents of the University of California

Internal Address:

City: _____ State: _____ Zip: _____

Street Address: 1111 Franklin Street, 12th FloorCity: Oakland State: California Zip: 94607-5200Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: May 6, 2002

A. Patent Application No(s): _____

B. Patent No(s): _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kenneth S. RobertsInternal Address: LYON & LYON LLP633 West Fifth Street, Suite 4700Los Angeles, CA 90071-20666. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Charge this Deposit Account if any additional fee is required8. Deposit Account Number: 12-2475

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kenneth S. Roberts
Kenneth S. Roberts, Reg No. 38,283Date: May 6, 2002Total number of pages including cover sheet: 4

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director — U.S. Patent and Trademark Office

Box Assignments

Washington, D.C. 20231

05/16/2002 LHWELLER 00000239 122475 10140316

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Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, WILLIAM A. SIRIGNANO, a citizen of the United States, residing at 3 Gibbs Court, Irvine, California 92612, and DEREK DUNN-RANKIN, a citizen of the United States, residing at 2 Perkins Court, Irvine, California 92612 (hereinafter referred to as "ASSIGNORS"), have invented a MINIATURE, LIQUID-FUELED COMBUSTION CHAMBER and have executed an application for a United States patent disclosing and identifying the invention, which application is being filed herewith and not yet assigned a U.S. serial number; and

WHEREAS, The Regents of the University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street 12th Floor, Oakland, California 94607-5200 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto, to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a

foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

WITNESS my hand at IRVINE, CA,
this 30th day of APRIL, 2002.

William A. Sirignano
William A. Sirignano

WITNESS my hand at IRVINE, CA,
this 30th day of APRIL, 2002.

Derek Dunn-Rankin
Derek Dunn-Rankin

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:)	
)	Group Art Unit:
William H. SIRIGNANO)	
)	Examiner: To be assigned
Serial No.: 10/140,316)	
)	
Filed: May 6, 2002)	
)	
For: MINIATURE, LIQUID-FUELED)	
COMBUSTION CHAMBER)	

REVOCATION AND POWER OF ATTORNEY AND

CERTIFICATE UNDER 37 C.F.R. 3.73(b)

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The assignee of record of the entire interest of the above-identified application hereby revokes all previous appointments of power of attorney previously given and hereby appoints the registered practitioners at Customer No. 34313:



34313

PATENT TRADEMARK OFFICE

Orrick, Herrington & Sutcliffe, LLP
4 Park Plaza, Suite 1600
Irvine, California 92614-2558
Tel.: (949) 567-6700

as its attorneys/agents with full power of substitution and revocation to prosecute this application, to transact all business in the Patent and Trademark Office, in connection therewith, and to receive any Letters Patent.

Please send all correspondence to the attention of Kenneth S. Roberts, at the above Customer Number and address, and direct all telephone calls to (949) 567-6700.

CERTIFICATE UNDER 37 C.F.R. 3.73(b)

The Regents of the University of California certifies that it is the assignee of less than the entire right, title, and interest in the patent(s)/application(s) identified above by virtue of either:

- A. X An assignment from the inventor(s) of the patent/application identified above. The assignment was recorded in the U.S. Patent and Trademark Office on May 6, 2002 at Reel 012891, Frame 0839.
- B. A chain of title from the inventor(s) of the patent/application identified above, to the current assignee as shown below:
1. An assignment of the application from the inventors to has been recorded in the Patent and Trademark Office under Reel , Frames .
 2. An assignment from of the application from to has been recorded in the Patent and Trademark Office under Reel , Frames .

 Copies of assignments or other documents in the chain of title are attached as indicated.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein are of my own knowledge and are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Dated: 1/14/03 , 2003

By:

Demetri Andrikos
Assistant Director, Engineering and Physical Sciences
University of California